

FIG. 1B
PRIOR ART

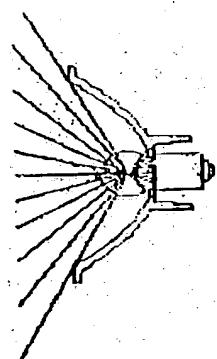


FIG. 1A
PRIOR ART

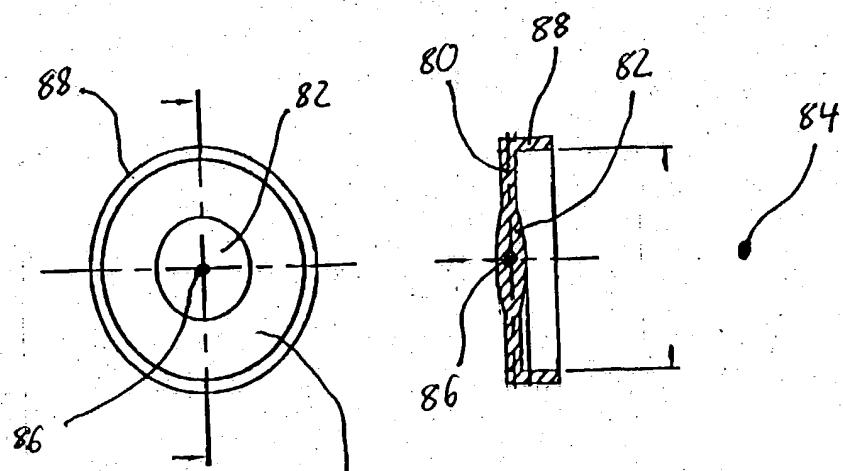
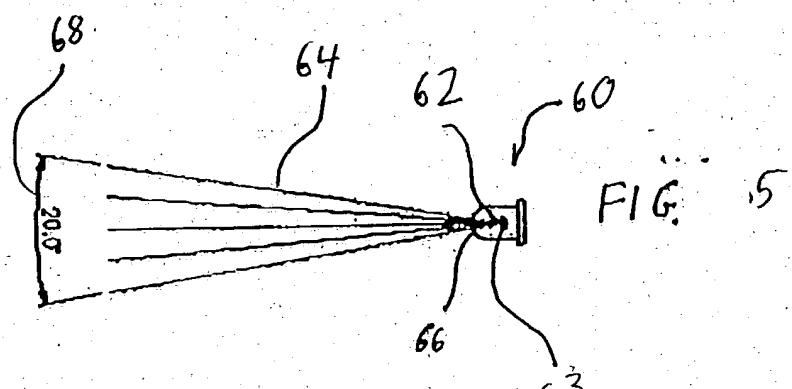
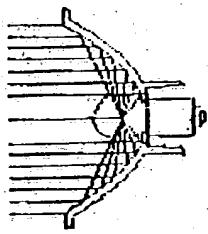


FIG. 6A 80

FIG. 6B

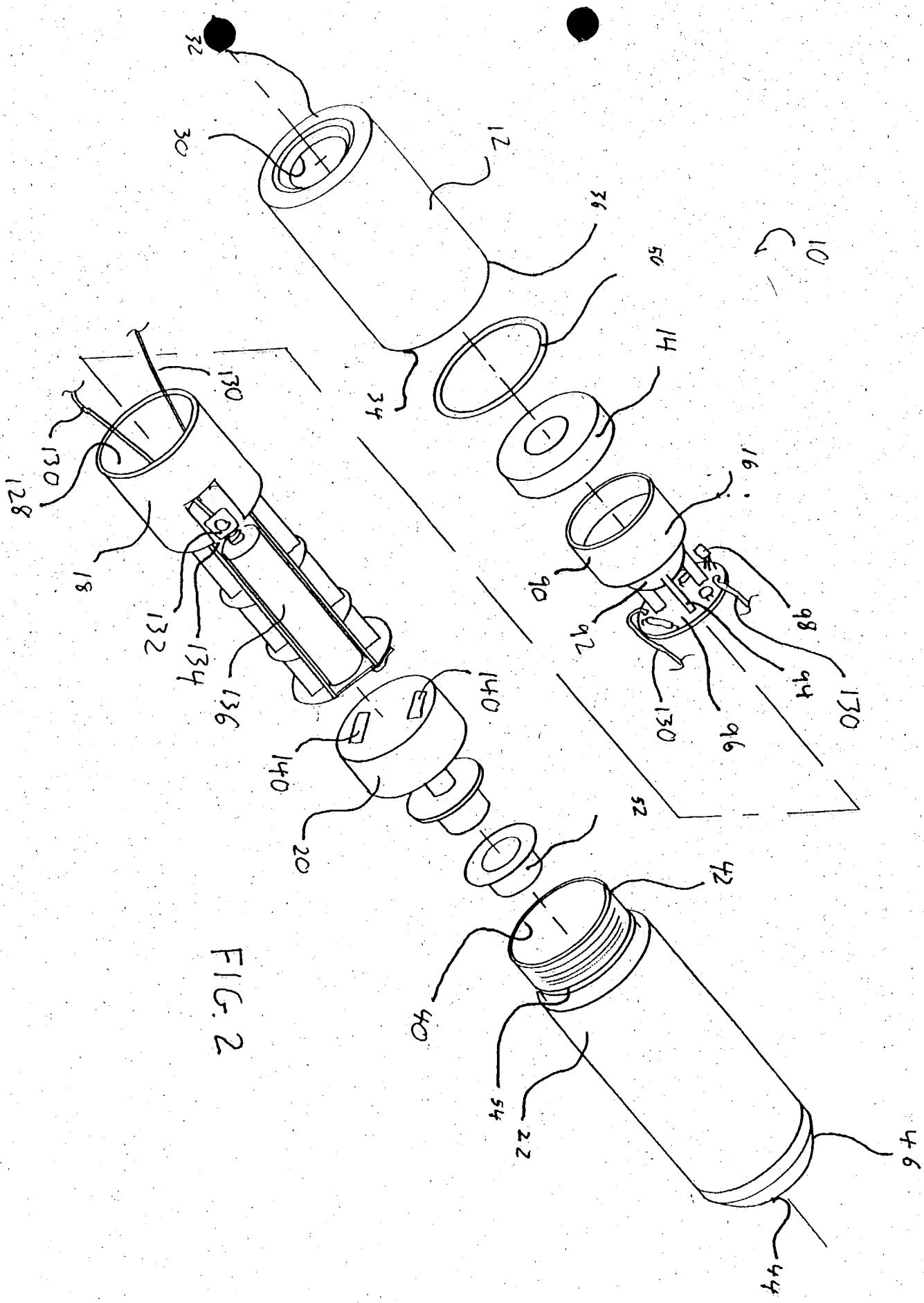
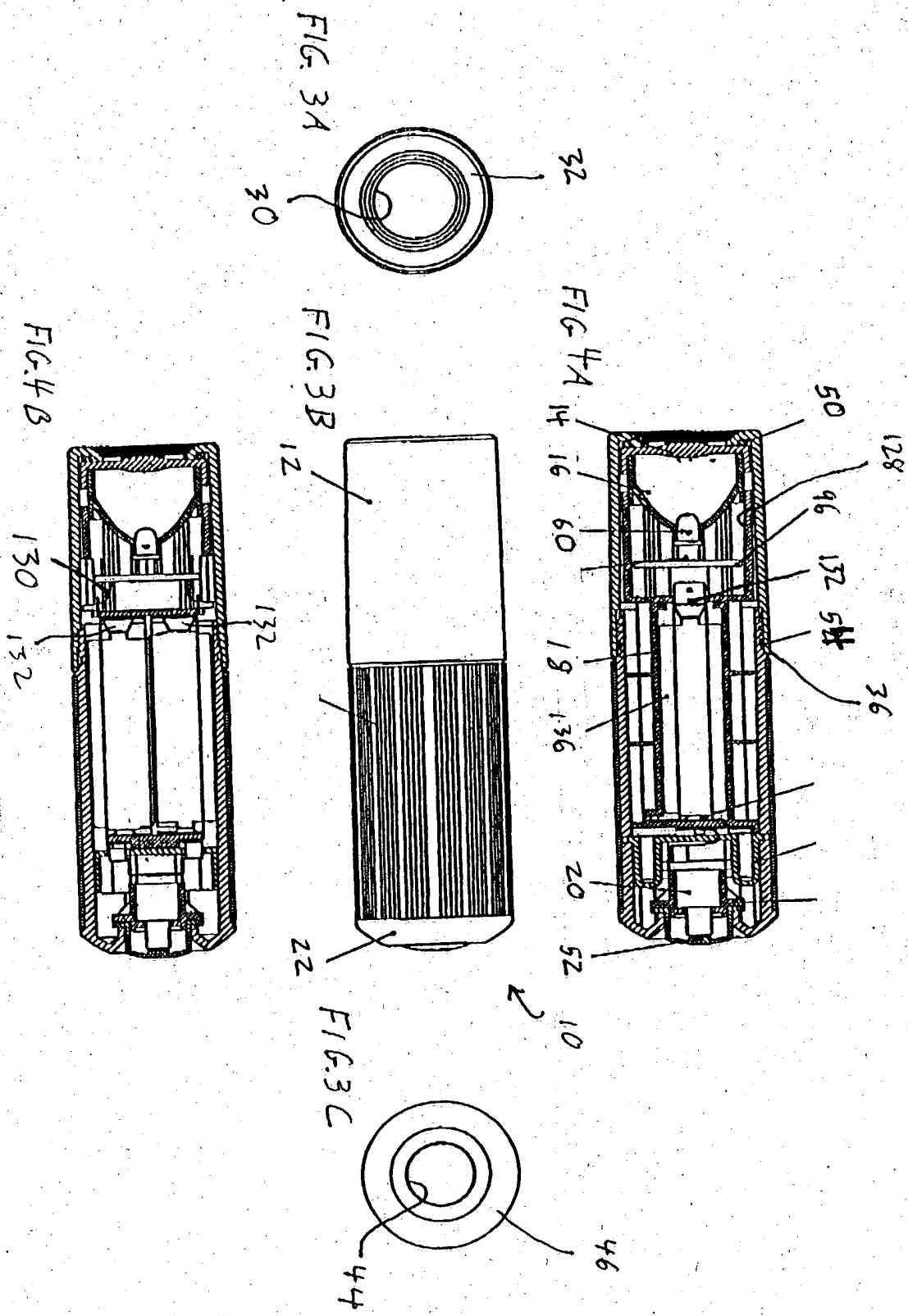


FIG. 2



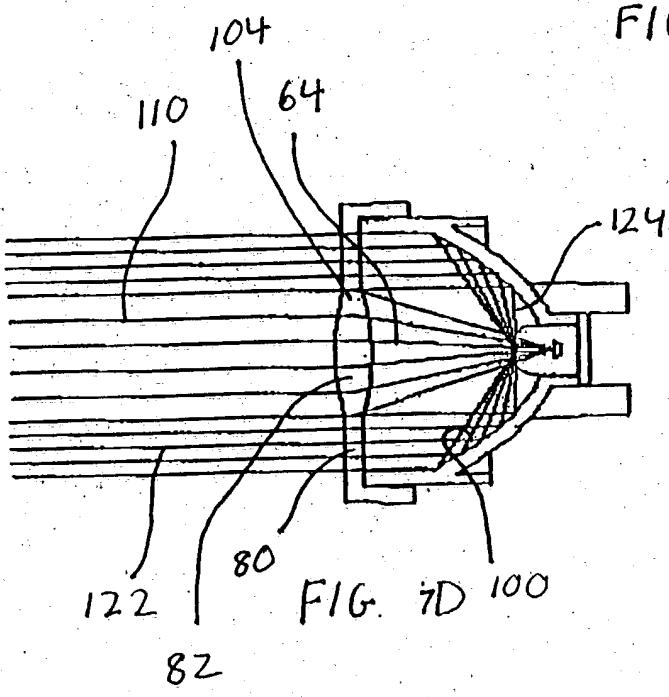
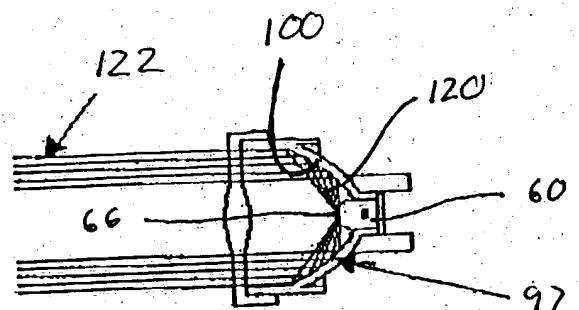
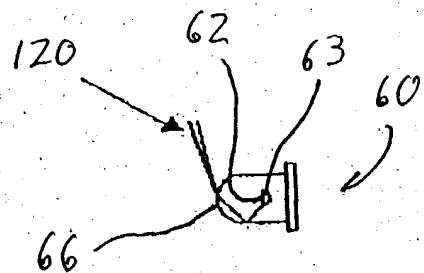
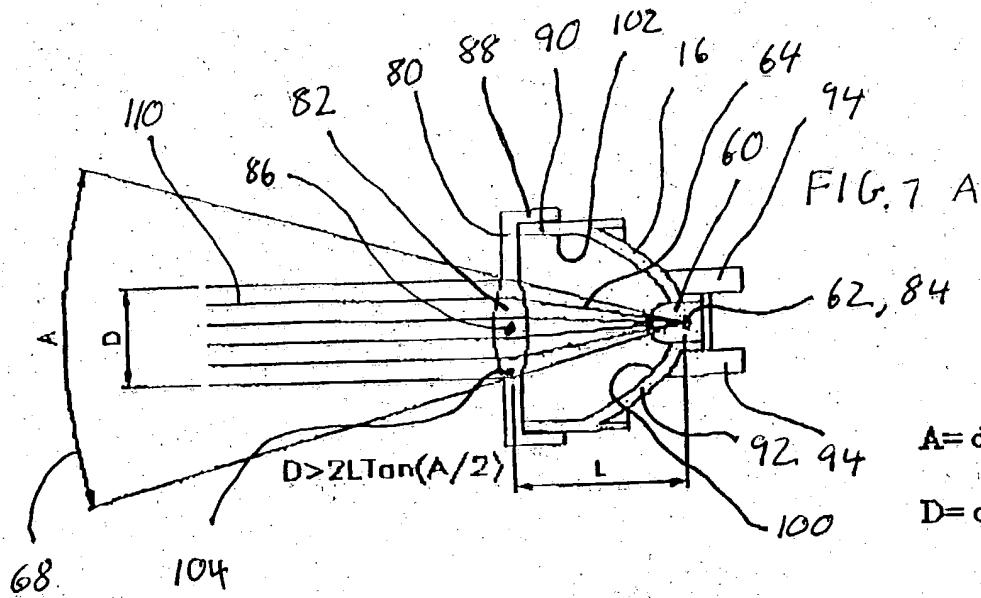


FIG. 8

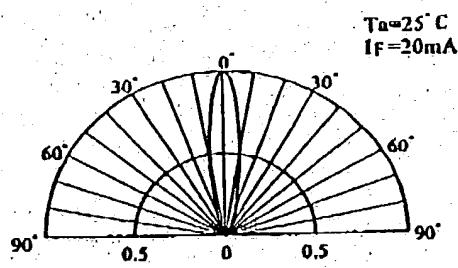
■ Characteristics

- High Power LEDs
- Half Angle ($2\theta_{1/2}$) : 20°
- Superior Weather-resistance
- UV Resistant Epoxy

■ Applications

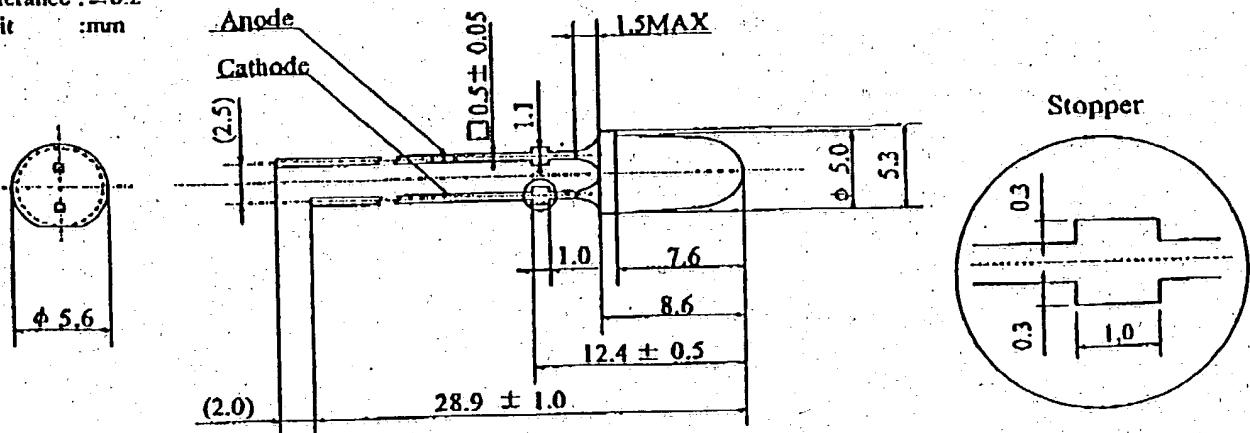
- Advertising Signs
- Indicators
- LCD Back Lights
- Illuminations

■ Directivity



■ Outline Dimension

Tolerance : ± 0.2
Unit : mm



■ Absolute Maximum Rating

($T_a = 25^\circ C$)

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current [※]	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{sg}	-40 ~ +100	°C

※ Pulse width Max. 10ms Duty ratio Max. 1/10

■ Electrical-Optical Characteristics

($T_a = 25^\circ C$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=20mA$	-	3.6	4.0	V
DC Reverse Current	I_R	$V_R=5V$	-	-	50	μA
Luminous Intensity	I_v	$I_F=20mA$	-	5.60	-	cd
Chromaticity Coordinate [※]	x	$I_F=20mA$	-	0.31	-	-
Chromaticity Coordinate [※]	y	$I_F=20mA$	-	0.32	-	-

※ Please refer to CIE 1931 chromaticity diagram.